Wind Speed and Direction Switch
AV-WSDS

System Contents:

The system is supplied with the following items:

1) Control box

2) Wind speed and direction sensor (inc alignment compass)

3) 25m of 4 core cable

4) 24V AC Adaptor
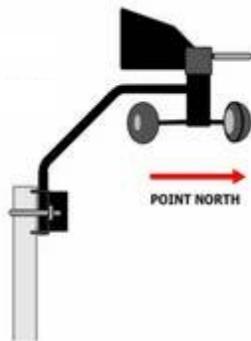
Description:

This unit is designed to operate from both 24Vac and 12Vdc power sources. The control box comes housed within an IP65 rated enclosure with a clear lid so that the indicator lights and controls can be easily viewed from the outside. Cable entry to the control box is via three PG7 cable glands, accepting cables between 3 and 6.5mm in diameter. Wind speed to 90mph selectable. Wind direction selectable via 8 DIP switches for each main compass point (N, NE, E, SE, S, SW, W, & NW). On and Off timers available to prevent frequent switching from unexpected wind gusts etc.

Set Up:

Once the control box is connected as above, set the desired wind speed level for activation via the central dial, and also the relevant wind directions required using the DIP switches. The switches are on when they are set nearest to the central dial.

Then proceed to set the required "on" and "off" timers for the minimum relay activation time.

When the unit is powered the "power on" LED will light along with the relevant LED for the current wind direction the sensor is pointing in.

Upon the units activation the "Active" light will illuminate and the relay will activate to either turn on the peripheral equipment or turn it off depending on which contact was originally selected above.

Installation:

Mount the wind sensor, with its arm pointing North using the supplied compass.

Using the supplied 25m four core cable connect the wind sensor to the control box to the connection terminals ensuring that all colour codes are followed both in the control box and at the sensor end of the cable.

Power the control box either via the 24V AC adaptor supplied using the terminals labelled "24V AC". These can be wired either way due to being AC. or using 12V DC use the terminals labelled "GND" and "12V DC"

The peripheral equipment to be controlled is to be connected to the 5A contacts. The centre terminal must be used and then either the normally closed (NC) or the normally open (NO)